

Docket No.: NHL-HAN-01  
Serial No.: 09/273,468  
Customer No.: 52671

**REMARKS**

The Office Action dated February 24, 2006, indicated as being "FINAL" has been reviewed in detail and the application has been amended in the sincere effort to place the same in condition for allowance. Reconsideration of the claims of the application and allowance in their amended form are requested based on the following remarks.

Applicant retains the right to pursue broader claims under 35 U.S.C. §120.

Applicant has provided a unique solution with respect to problems regarding MILLING CUTTER. Applicant's solution is now claimed in a manner that satisfies the requirements of 35 U.S.C. §102.

**Telephonic Interview:**

The undersigned would like to sincerely thank the Examiner for the courtesies extended during a telephonic interview between the Examiner and the undersigned on July 20, 2006. During the telephonic interview, independent Claim 11 was primarily discussed.

An official agreement was not reached between the Examiner

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and the undersigned as to a limitation that could be added to Claim 11 so as to render Claim 11 allowable over the applied art.

However, the Examiner indicated that revised claim language that further defined the convex and concave sections might possibly receive favorable consideration as the applied prior art to Beck shows two concave sections only. Accordingly, Claims 11 and 16 has been amended herein to include language relating to the concave and convex sections to more clearly define these sections.

The telephonic interview is further summarized below in the section entitled "Recordation of the Substance of the Telephonic Interview."

**Rejection of Claims 11-22 Under 35 U.S.C. §102:**

Claims 11-22 were rejected under 35 U.S.C. §102, as being unpatentable over Beck et al.

Beck, as understood, shows a milling cutter with two concave portions 31 and 32. These two concave portions meet at a peak or sharp top 33.

In contrast to Beck, amended Claim 11 recites:

"at least a first section and a second section being

disposed between said lateral cutting edge and said central cutter axis;

said first section having a continuously outwardly curved, convex shape;

said first section being configured and disposed to bulge outwardly away from said first tooth face surface;

said second section having a continuously inwardly curved, concave shape; and

said second section being configured and disposed to extend inwardly toward said first tooth face surface."

Amended Claim 11 therefore shows a concave section and a convex section. In contrast, Beck shows two concave sections. It is therefore respectfully submitted that Claim 11 distinguishes over Beck.

Also in contrast to Beck, amended Claim 16 recites:

"at least a first section and a second section being disposed between said lateral cutting edge and said central cutter axis;

said first section being disposed to extend from said lateral cutting edge and to said second section;

said first section having a continuously outwardly curved, convex shape;

said first section being configured and disposed to bulge outwardly away from said first tooth face surface."

Amended Claim 16 therefore shows a convex section. In contrast, Beck shows two concave sections. It is therefore respectfully submitted that Claim 16 distinguishes over Beck.

In view of the above, Claims 11 and 16 are believed to be

allowable over Beck. Claims 12-15 and 17-22 are also believed to be allowable based on their dependence from Claims 11 and 16, respectively, as well as the distinguishing features recited therein.

**Recordation of the Substance of the Telephonic Interview:**

In order to render this Amendment complete, the following is a recordation of the substance of the telephonic interview conducted with the Examiner on July 20, 2006:

- 1) No exhibits were shown, nor were any demonstrations conducted.
- 2) Primarily, independent Claim 11 was discussed.
- 3) Primarily, the prior art discussed was U.S. Patent No. 5,049,009 to Beck.
- 4) Applicant's representative essentially proposed to amend the independent claims in the manner set forth in this Amendment.
- 5) Generally, Applicant's representative submitted, inter alia, that the prior art Beck shows two concave sections only and not a concave and a convex section.
- 6) Generally no other pertinent matters were discussed.
- 7) The general outcome of the interview was an indication from

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the Examiner that revised claim language might possibly receive favorable consideration.

**Art Made of Record:**

The prior art made of record and not applied has been carefully reviewed, and it is submitted that it does not, either taken singly or in any reasonable combination with the other prior art of record, defeat the patentability of the present invention or render the present invention obvious. Further, Applicant is in agreement with the Examiner that the prior art made of record and not applied does not appear to be material to the patentability of the claims currently pending in this application.

In view of the above, it is respectfully submitted that this application is in condition for allowance, and early action towards that end is respectfully requested.

**Summary and Conclusion:**

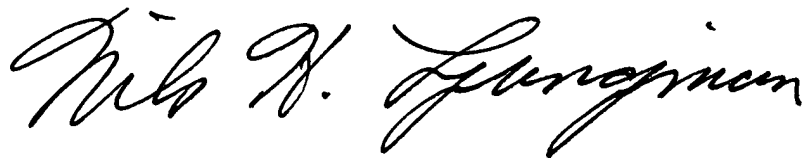
It is submitted that Applicant has provided a new and unique MILLING CUTTER. It is submitted that the claims, as amended, are fully distinguishable from the prior art. Therefore, it is requested

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that a Notice of Allowance be issued at an early date.

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Respectfully submitted,

A handwritten signature in cursive script, reading "Nils H. Ljungman".

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